



1999 Toxics Release Inventory

KENTUCKY

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	34,464,197	59,403,329	93,867,526
Air Emissions	30,515,507	44,800,237	75,315,744
Surface Water Discharges	1,736,386	1,278,240	3,014,626
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	21,200	0	21,200
Other On-site Land Releases	2,191,104	13,324,852	15,515,956
Off-site Releases (Transfers Off-site to Disposal)*	11,349,728	988,068	12,337,796
Total On- and Off-site Releases	45,813,925	60,391,397	106,205,322
Recycled On-site	281,292,045	1,928,711	283,220,756
Recycled Off-site	49,802,056	289,561	50,091,617
Energy Recovery On-site	64,916,945	0	64,916,945
Energy Recovery Off-site	9,605,108	12,828,897	22,434,005
Treated On-site	125,045,911	46,495,639	171,541,550
Treated Off-site**	15,015,414	1,439,841	16,455,255
Quantity Released On- and Off-site***	41,770,156	60,366,040	102,136,196
Total Production-related Waste Managed	587,447,635	123,348,689	710,796,324
Total Non-production-related Waste Managed	172,060	28	172,088

Transfers Off-site for Further Waste Management/Disposal

Recycling	44,346,924	406,607	44,753,531
Energy Recovery	9,957,549	12,879,607	22,837,156
Treatment	7,017,385	1,605,517	8,622,902
Publicly Owned Treatment Works (POTWs)	3,270,606	457	3,271,063
Metals and Metal Compounds*	63,491	1	63,492
Non-metal TRI Chemicals**	3,207,115	456	3,207,571
Other Off-site Transfers***	3,634	0	3,634
Off-site Transfers to Disposal (not including metals to POTWs)	13,714,624	1,020,480	14,735,104
Total Transfers Off-site for Further Waste Management/Disposal	78,310,722	15,912,668	94,223,390

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

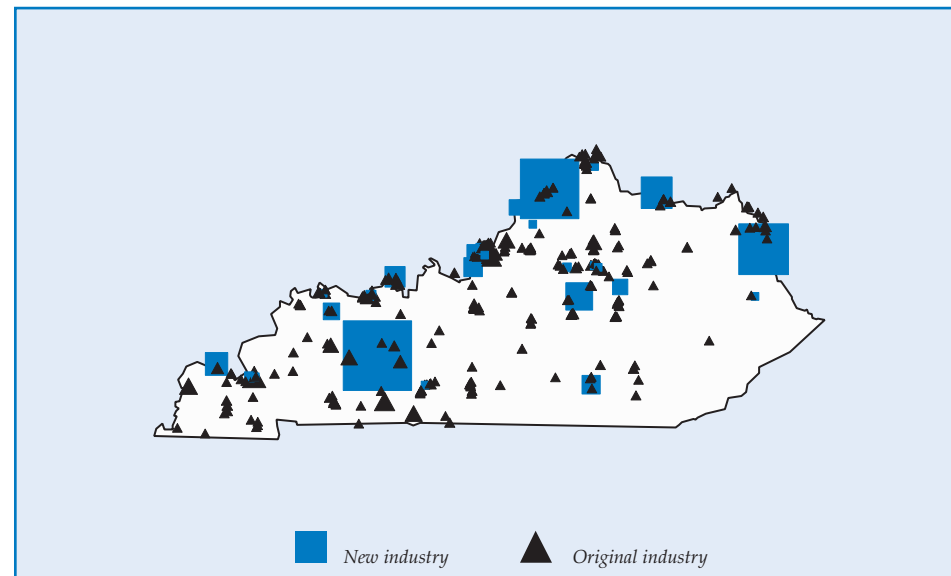
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To obtain TRI data use
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Support Service (TRI-US):
(202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Kentucky. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	3,960,825
Square Miles	39,732
Total Facilities	456
Total Forms	2,034
Form As	259

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	20	18	20
Pounds	45,813,925	60,391,397	106,205,322
National Rank for Total On-site Releases**			
Rank	21	18	21
Pounds	34,464,197	59,403,329	93,867,526
National Rank for Total Releases within State***			
Rank	23	18	21
Pounds	39,490,336	60,555,658	100,045,994
National Rank for Production-related Waste Managed			
Rank	12	13	14
Pounds	587,447,635	123,348,689	710,796,324

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Lead compounds	11,729	342	0	0	5,710,232	5,722,303	57,731	22,682	5,687,575
67-56-1	Methanol	4,075,246	19,397	0	3,785	9	4,098,437	0	4	5
108-88-3	Toluene	3,365,055	401	0	859	27,874	3,394,189	9,617	27,779	95
--	Zinc compounds	96,730	16,819	0	123,457	2,762,757	2,999,763	151,420	327,966	2,435,006
1330-20-7	Xylene (mixed isomers)	2,639,699	486	0	813	160,407	2,801,405	1,094	160,146	261
--	Nitrate compounds	1,099	1,475,564	0	1,069,179	9,552	2,555,394	255	8,802	750
75-45-6	Chlorodifluoromethane (HCFC-22)	2,384,043	0	0	0	1,848	2,385,891	0	1,848	0
110-54-3	n-Hexane	2,093,385	224	0	5	511	2,094,125	0	18	493
75-09-2	Dichloromethane	1,876,440	5	0	0	0	1,876,445	2,715	0	0
7664-41-7	Ammonia	1,646,359	38,389	0	29,584	38,192	1,752,524	77	17,413	20,779

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

One facility in Richmond, Kentucky incorrectly reported 5,411,508 pounds of lead compounds as a transfer off-site to disposal to Missouri. This amount should have been reported as being sent off-site to recycling. Due to this error, lead compounds was incorrectly ranked in the Top Ten Chemicals for total releases in Kentucky.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	25,886,198	0	0	0	0	25,886,198	0	0	0
7664-93-9	Sulfuric acid	17,056,027	0	0	0	0	17,056,027	0	0	0
--	Barium compounds	28,782	149,005	0	5,201,337	362,790	5,741,914	131,509	362,789	1
--	Zinc compounds	13,570	43,006	0	2,298,898	226,071	2,581,545	36,445	130,319	96,036
--	Manganese compounds	10,467	102,649	0	1,432,380	138,305	1,683,801	57,280	138,305	0
7664-39-3	Hydrogen fluoride	1,634,458	0	0	0	5	1,634,463	0	5	0
--	Nickel compounds	5,851	25,177	0	934,206	65,000	1,030,234	2,770	65,000	0
--	Copper compounds	26,478	16,656	0	756,298	62,780	862,212	25,790	36,220	26,565
--	Nitrate compounds	0	860,000	0	0	0	860,000	0	0	0
--	Chromium compounds	6,131	10,536	0	722,922	120,287	859,876	3,544	92,833	27,454

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection					On-site Releases to Land		Transferred Within State	Transferred Out of State
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Air Prods. & Chemicals Inc., Calvert City, Marshall	2,048,237	116,501	0	0	0	20,578	2,185,316	0	0
Du Pont Louisville Plant, Louisville, Jefferson	1,910,046	580	0	0	0	0	1,910,626	0	1,675
Carpenter Co., Russellville, Logan	1,711,826	0	0	0	0	0	1,711,826	0	0
Ford Motor Co. Louisville Assembly Plant, Louisville, Jefferson	1,611,996	0	0	0	0	0	1,611,996	368,164	12,870
Westvaco Kentucky L.P., Wickliffe, Ballard	1,154,520	107,573	0	0	0	64,151	1,326,244	0	0
Quebecor Printing Franklin, Franklin, Simpson	1,223,000	0	0	0	0	0	1,223,000	280	1,721
Ford Motor Co. Kentucky Truck Plant, Louisville, Jefferson	1,179,552	0	0	0	0	0	1,179,552	30,151	2,079
Daramic Inc., Owensboro, Daviess	1,153,594	0	0	0	0	0	1,153,594	0	0
American Synthetic Rubber Co. L.L.C., Louisville, Jefferson	1,111,170	0	0	0	0	750	1,111,920	13,000	0
Ensign-Bickford Co., Graham, Muhlenberg	37,517	0	0	0	0	1,073,813	1,111,330	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection					On-site Releases to Land		Transferred Within State	Transferred Out of State
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	9,753,345	937,850	0	0	0	1,482,850	12,174,045	505	0
Kentucky Utilities Co. - Ghent Station, Ghent, Carroll	7,604,562	111,120	0	0	0	2,488,500	10,204,182	0	0
Big Sandy Plant, Louisa, Lawrence	7,244,500	6,047	0	0	0	1,198,870	8,449,417	1,658	594
Spurlock Power Station, Maysville, Mason	3,904,667	1,992	0	0	0	776,000	4,682,659	0	0
Kentucky Utilities Co. - E. W. Brown Station, Burgin, Mercer	3,318,719	13,030	0	0	0	528,700	3,860,449	0	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	734,440	7,650	0	0	0	2,215,205	2,957,295	280	0
Coleman, Hawesville, Hancock	2,210,761	0	0	0	0	304,922	2,515,683	0	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	2,069,862	69,011	0	0	0	62,590	2,201,463	0	0
Cooper Power Station, Burnside, Pulaski	1,812,780	812	0	0	0	312,100	2,125,692	0	0
Reid/Green/HMP&L Station II, Robards, Henderson	801,056	0	0	0	0	965,165	1,766,221	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated On-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Newport Steel Corp., Wilder, Campbell	0	2,138,600	0	0	0	0	2,818,000	4,956,600	0
Air Prods. & Chemicals Inc., Calvert City, Marshall	0	0	0	0	3,183,000	255,505	2,166,800	5,605,305	10,687
Ford Motor Co. Louisville Assembly Plant, Louisville, Jefferson	0	1,036,471	0	31,922	546,363	3,400	2,015,070	3,633,226	0
Du Pont Louisville Plant, Louisville, Jefferson	0	48,263	0	0	0	139,013	1,912,301	2,099,577	0
Carpenter Co., Russellville, Logan	0	0	0	0	0	12,932	1,711,826	1,724,758	0
Westvaco Kentucky L.P., Wickliffe, Ballard	0	0	0	0	7,459,253	0	1,326,993	8,786,246	0
Quebecor Printing Franklin, Franklin, Simpson	26,000,000	0	0	50,730	535	6,273	1,310,290	27,367,828	0
Ford Motor Co. Kentucky Truck Plant, Louisville, Jefferson	0	556,599	0	12,080	917,800	692,790	1,229,920	3,409,189	0
Toyota Motor Mfg. Kentucky Inc., Georgetown, Scott	0	1,688,150	579,440	241,171	89,366	101,341	1,164,979	3,864,447	0
American Synthetic Rubber Co. L.L.C., Louisville, Jefferson	410,000	0	0	11,000	11,377,000	19,000	1,124,675	12,941,675	7,400

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated On-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	0	8,120	0	0	12,754,700	0	12,179,220	24,942,040	0
Kentucky Utilities Co. - Ghent Station, Ghent, Carroll	0	0	0	0	3,569,600	0	10,200,100	13,769,700	0
Big Sandy Plant, Louisa, Lawrence	0	15,080	0	0	1,000,000	0	8,455,300	9,470,380	0
Spurlock Power Station, Maysville, Mason	0	0	0	0	0	0	4,689,840	4,689,840	13
Kentucky Utilities Co. - E. W. Brown Station, Burgin, Mercer	0	0	0	0	0	0	3,859,600	3,859,600	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	0	26,000	0	0	1,122,000	0	2,936,020	4,084,020	0
Coleman, Hawesville, Hancock	0	0	0	0	0	0	2,515,685	2,515,685	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	0	0	0	0	7,039,000	0	2,201,660	9,240,660	0
Cooper Power Station, Burnside, Pulaski	0	0	0	0	0	0	2,122,000	2,122,000	9
Reid/Green/HMP&L Station II, Robards, Henderson	0	0	0	0	0	0	1,766,224	1,766,224	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.